



## **CLAIMS**

I claim:

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- 1. An incandescent lamp, comprising:
- a filament capable of emitting light,
- a lead wire supporting said filament and at least partially forming an electrical network capable of supplying electrical current to said filament, said lead wire having a flattened outer end, and

an envelope surrounding said filament and at least a portion of said lead wire that includes said flattened outer end, wherein said flattened outer end includes a narrow profile and a wide profile and is oriented such that said narrow profile is aligned with the direction of illumination of light emitted by the filament.

- The incandescent lamp of claim 1, wherein said lamp is a vehicle 2. headlamp.
- 3. The incandescent lamp of claim 1, wherein said lamp is an incandescent halogen lamp.
  - The incandescent lamp of claim 1, wherein said wide profile of said flattened outer end has a surface including a non-reflective surface feature.
- The incandescent lamp of claim 4, wherein said non-reflective surface feature is a roughened surface.
- 6. The incandescent lamp of claim 1, wherein said lead wire comprises a first lead wire and further comprising a second lead wire at least partially located within said envelope, wherein said filament has a first end connected to said flattened outer end of said first lead wire and said filament has a second end connected to said second lead wire.
- 7. The incandescent lamp of claim 6, further comprising a second filament and a third lead wire, with said filament and at least a portion of said third lead wire being located within said envelope, said third lead wire having a flattened outer end that includes a narrow profile aligned with the direction of light emitted by said

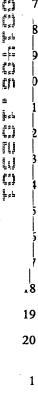
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second filament, wherein said second filament has a first end cor	nnected to	said
flattened outer end of said third lead wire and a second end connected	d to said se	cond
lead wire.		-

- 8. An incandescent halogen lamp for use with a vehicle headlamp system, comprising:
  - a first filament capable of emitting light and having a first and second end.
  - a second filament capable of emitting light and having a third and fourth end,
- a first lead wire supporting said first filament and at least partially forming an electrical network capable of supplying electric current to said first filament, said first lead wire having a flattened outer end connected to said first end,
- a second lead wire supporting said second filament and at least partially forming an electrical network capable of supplying electric current to said second filament, said second lead wire having a flattened outer end connected to said third end,
- a ground wire at least partially forming an electrical network capable of supplying electric current to said first and second filaments and having an outer end connected to said second and fourth ends, and
- a sealed envelope containing a halogen gas and surrounding said first and second filaments, said flattened outer ends of said first and second lead wires, and said outer end of said ground wire, wherein said flattened outer ends each comprise a narrow profile and a wide profile and each of said flattened outer ends is oriented such that said narrow profiles are aligned with the direction of illumination of light emitted by the filament to which they are attached.
  - 9. A vehicle headlamp system for providing illumination, comprising: an incandescent lamp that includes:
    - a filament capable of emitting light,
    - a lead wire electrically and mechanically connected to said filament to thereby support said filament and supply electric current to said filament, said lead wire having a flattened outer end, and an envelope surrounding said filament and at least a portion of said lead wire that includes said flattened outer end,



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		wherein s	said fla	attene	d out	er end in	ncludes	a na	arrow pro	ofile a	nd a	wide prof	file
and	is	oriented	such	that	said	narrow	profile	is	aligned	with	the	direction	of
illumination of light emitted by said filament,													

- a reflector partially surrounding said envelope, and
- a front lens, with said incandescent lamp being located between said lens and reflector such that a portion of the light emitted from said lamp is redirected by said reflector to exit said headlamp system through said lens.
- 10. The vehicle headlamp system of claim 9, wherein said incandescent lamp is a halogen lamp.
  - 11. A method of forming an incandescent lamp, comprising the steps of:

forming a first lead wire by flattening an end portion of a section of electrically-conductive wire;

providing a second lead wire formed from a section of electrically-conductive wire;

attaching a filament between the second lead wire and the flattened end portion of the first lead wire with the flattened end portion being oriented such that the flattened end portion lies within a plane that intersects the filament; and

sealing the filament and at least a portion of the first and second lead wires within a glass envelope.

- The method of claim 11, wherein said forming step further comprises stamping the end portion.
- 13. The method of claim 12, wherein said forming step further comprises stamping the end portion using a tool that flattens the end portion and simultaneously imparts a roughened surface texture to the end portion.
- 14. The method of claim 11, wherein said forming step further comprises applying a roughened surface treatment to said flattened end portion.
- 15. The method of claim 14, wherein said applying step further comprises deforming said end portion to produce the roughened surface treatment.

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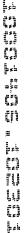
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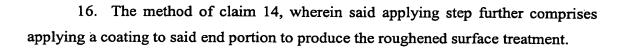
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- The method of claim 11, wherein said sealing step further comprises sealing the filament and at least a portion of the first and second lead wires within a glass envelope that contains a halogen gas, whereby said incandescent lamp comprises a halogen lamp.
  - 18. The method of claim 11, further comprising the steps of:

forming a third lead wire by flattening an end portion of a section of electrically-conductive wire;

attaching a second filament between the second lead wire and the flattened end portion of the third lead wire with the flattened end portion of the third lead wire being oriented such that the it lies within a plane that intersects the second filament; and

sealing the second filament and at least a portion of the third lead wire within the glass envelope.

19. The method of claim 11, further comprising the steps of securing the lead wires together using a bridge and sealing the bridge within the glass envelope along with the filament and lead wires.